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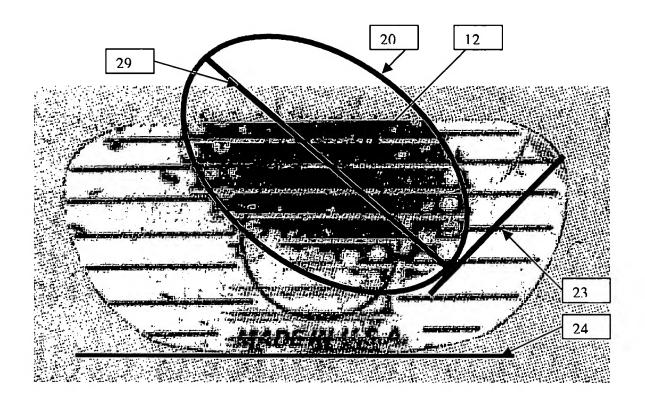


Fig 1. 45 inch driver miss ellipse pattern

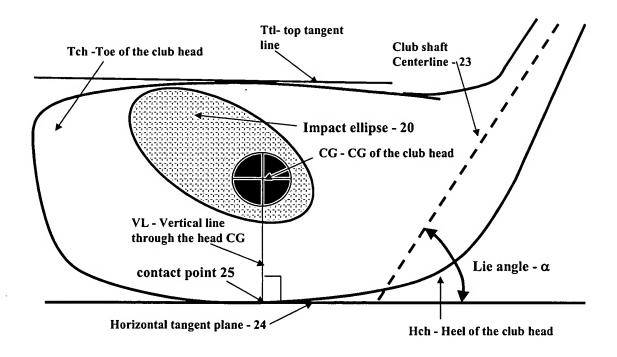


Fig 2. Lie Angle - α Definition

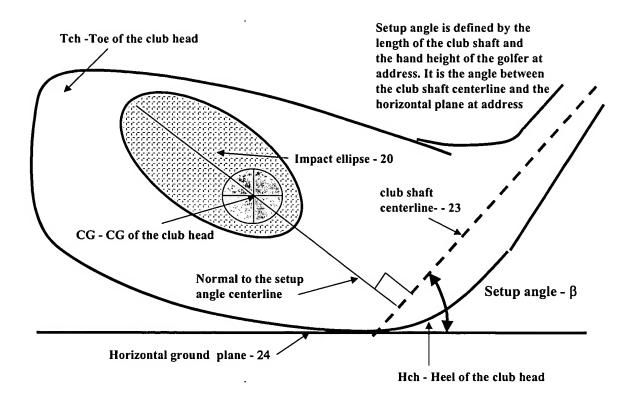


Figure 3. Setup Angle - β Definition

Driver setup angle as a function of butt height and shaft length Setup angle - degrees 9 48 49 44 in 45 in -46 in shaft butt height - inches

Figure 4. Driver Setup angle - $\boldsymbol{\beta}$ as a function of shaft butt height at address

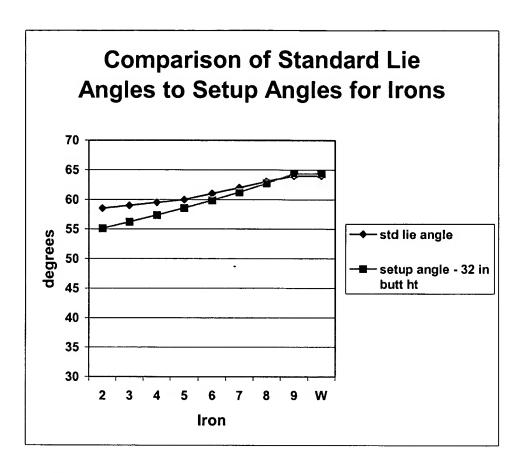


Figure 5. Comparison of standard lie angle - α and setup angle - β for irons

Set-up of JimReynolds - circa 1932

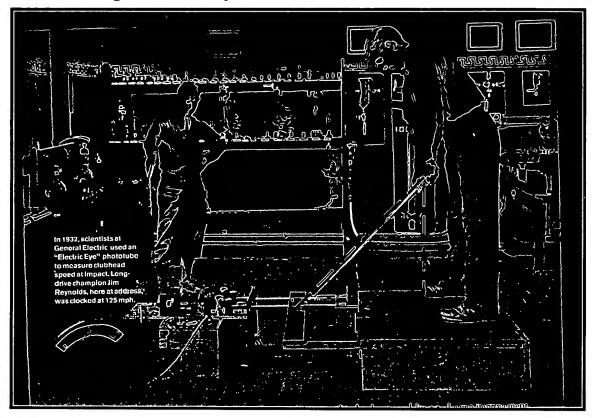


Figure 6. Driver Setup Angle as shown by Jim Reynolds in 1932

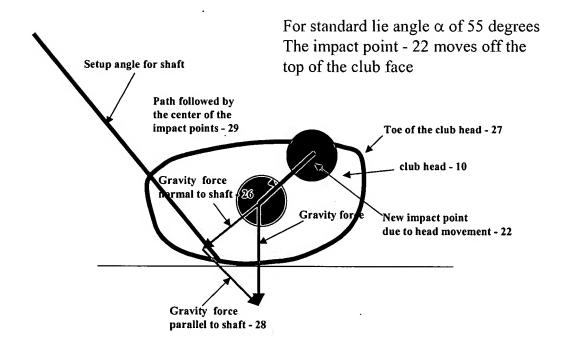


Figure 7. Forces on the club head due to gravity

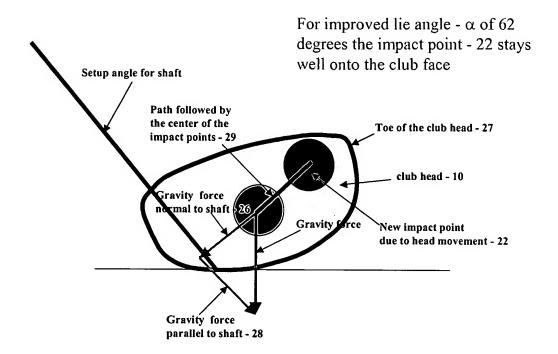


Figure 8. Enhanced Performance club head design

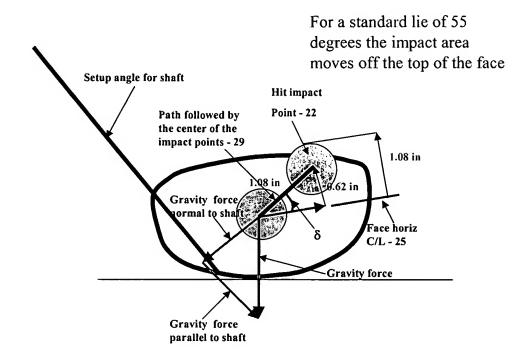


Figure 9. Impact Hit Patterns on a Standard Lie Driver

For improved lie of 62 degrees The impact area stays well on the club face Setup angle for shaft Hit impact Point - 22 Path followed by the center of the impact points - 29 0.91 in **⊾**08 in 0.45 in Face horiz Gravity force C/L - 25 ormal to shaft Gravity Free Gravity force parallel to shaft

Figure 10. Impact Hit Patterns on an Improved Design Driver

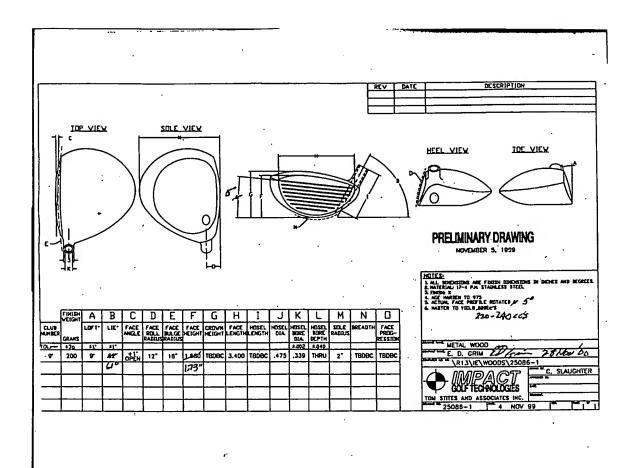
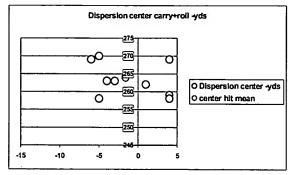
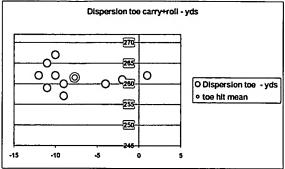


Figure 11. Drawing of the Head Design in Accordance with the Present Invention





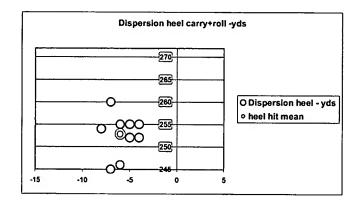


Figure 12. Charts showing the Results of Tests Conducted with a Driver Designed in Accordance with the Present Invention

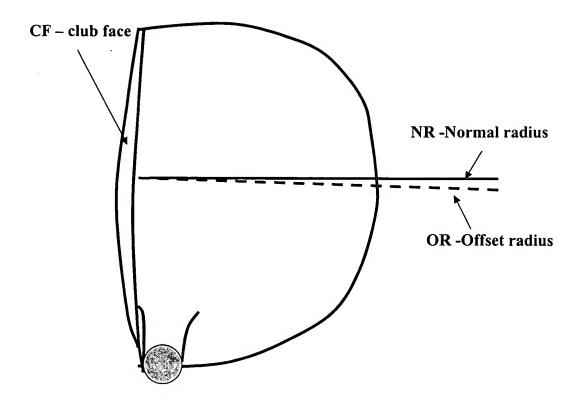


Figure 13. Top view of club head